

Government of West Bengal Government General Degree College, Kalna-I Muragacha, Medgachi, Purba Bardhaman-713405 Website: www.ggdck.ac.in; E-mail: govt.collegekalna1@gmail.com

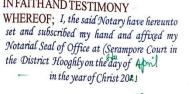
MoU -10

Academic Session 2020-21





Notarial Stamp on Original SUBRATA ROY .8 8 APR 2021



SUBRATA ROY

NOTARY, Govt. of India

leg. No.-13818/2019

6108/818E1::0N.ngeA

TRUCO ERAMPORE COURT

YOR ATARADS

Vist Hooghly

1.47.20

1 8 APR 2021

क्षारस्वारग्रे र दरगारगढ TEN RUPEES **Rs.10** INDIA INDIA NON JUDICIAL

86AB 339627 पश्चिम बंगालBEFORE THE NOTARY SERAMPORE / DIST .- HOOGHLY

The Memorandum of Understanding (hereinafter called the MOU) is entered into on this the 8th Day of April, 2021 (Two Thousand Twenty

BY AND BETWEEN

GOVERNMENT GENERAL DEGREE COLLEGE, KALNA-I, The First Party represented herein by its Principal as Representative and Competent Authority (Hereinafter referred as "First Party", the institution which expression, SUBRATARON unless excluded by or repugnant to the subject or context shall include its Area: Serampore Dist: Hoophing successors – in office, administrators and assigns)

> MAULANA AZAD COLLEGE, KOLKATA, The Second party and represented herein by the Principal as Representative and Competent Authority (Hereinafter represented as "Second Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors - in office, administrators and assigns)



Cont2

B APR 2021

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually

(2)

WHEREAS

OTAR

SUBRATAROY

Area: Serampore Dist.: Hooghly

Reg. No.-13818/2019

2021

APR

A) FIRST PARTY is a Government Higher Educational Institution named:

i) Government General Degree college, Kalna-I, Purba Bardhaman-713405 B) First Party and Second Party believe that collaboration and cooperation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The parties intent to cooperate and focus their efforts in cooperation within the area of Higher Education, Research and Development, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.

D) Both Parties being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

E) Maulana Azad College, Kolkata -700013, the Second Party is a Government Higher educational Institute of West Bengal under the aegis of the Department of Higher Education, Government of West Bengal and is engaged in imparting higher education by running under graduate Honours and General programmes in various Science, Arts and

Commerce streams along with post graduate programmes in English, Urdu and Zoology at present with rights, possibility and extension thereafter.

The Second Party presently functions from its own campus at 8, Rafi Ahmed Kidwai Road, Taltala, Kolkata -700013, West Bengal and will continue to do so until further order from the Department of Higher Education, Government of West Bengal. It has no other branch, wing, subsidiaries or extensions existing at present.

OW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISE SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

Clause-I CO-OPERATION

1.1 Both the Parties are united by common interest and objectives, and they shall establish channels of communication and co-operation that will promote and advance -

- · Joint research projects and publications, including work by undergraduate and post graduate students at the partner institutions;
- · Faculty and student exchanges based on reciprocity;
- · Reciprocal placement of students and co-ops, when possible;
- · Team taught courses, including online courses;
- Visits by faculty, professional staff and students;
- Exchange of information on teaching, learning material and other literature relevant to their educational and research programmes;
- Joint organization of short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein;
- Joint organization of seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein; and
- · Any other joint venture for academic enrichment of both the colleges on prior agreement of the Principals of both the Colleges; within the Institution and its related wings.

1.2 Both the Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one

Page 1, 2 and 3 of MoU

Principal Government General Degree College

Kalna-I

8 APR 2021

1.3 First Party and Second Party must respect each other's to intellectual property and the disputes if any, relating to any aspect of academic cooperation, Principals of both the College will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

1.5 Both the Parties mutually agreed not to include any financial transaction during the execution of this MOU.

1.6 Neither Party shall be held responsible for non-fulfillment of their respective obligation under this MOU due to circumstances beyond their control but not limited to pandemic, war, flood etc. If such condition continues beyond six months, the parties shall then mutually decide about the future course of action.

1.7 Nothing in this MOU shall be constructed to make either party a partner, an agent or legal representative of the other for any purpose. Now onwards both the party may mention the name and LOGO of the other in their documents as "COLLABORATOR" for purpose as may be required subject to communication by the user to the other party in writing beforehand.

8 This MOU unless terminated by mutual written agreement will continue for 5 years after the effective date specified in the opening paragraph and can be renewed through Area: Serampore mutual interest. Either Party shall have the right to unilaterally terminate this MOU upon 90 days prior written notice to the other party.



For Government General Degree College, Kalna-I Purba Bardhaman-713405

For Mulana Azad College Kolkata-700013

Principal Maulana Azad College Authorized Signa of West Bengal

Moulana Azad College,

Kolkata-700013, Ph:9433563658 Email:moulanaazadcollegekolkata@gmail.com Website:www.moulanaazadcollegekolkata.ac.in

Witness -2

Associate Professor Maulana Azad College SOLEMNLY AFFIRM Kolkata DECLARED BEFORE ME ON **IDENTIFICATION BY ADVOCATE**

SUBRATA ROY NOTARY, Govt. of India Reg. No.- 13818/2019

Inthe matter of Instrument "A" And In the matter of: NOTARIAL CERTIFICATE सत्यमेव जयते Serampore Court -**SUBRATA ROY** B. Com, LL.B, Advocate Notary Public, Govt. of India Regd. No.- 13818 **District - Hooghly** Chamber: 10/1, G. T. Road Sandhya, Appartment, (Ground Floor) Sheoraphuli, Hooghly **Residence**: 84, Vivekananda Road, Sonalipark P.O.- Sheoraphuli, Hooghly M.: 8017224549

0 8 APR 2021

Dated 8th Day of April 201 21



Ш



Page 4 and 5 of MoU

8 APR 2021

OTAR

SUBRATA ROY

Dist.: Hooghly Reg. No.-13818/2019

out. of Ind

Government General Degree College, Kalna-I Purba Bardhaman-713405 Ph: 9477501460 E-mail:govt.collegekalna1@gmail.com Website: www.ggdck.ac.in

Authorized Signatory

Principal

ment General Degree College

Witness - 1 Coordinater

IQAC, GODC, Kaina-I

ATTESTED TAROY Notary, Serampore Court **Dist.-Hooghly** Regn. No.-13818/2019



MOU Signed between Government General Degree College, Kalna-I & Maulana Azad College on 08.04.2021



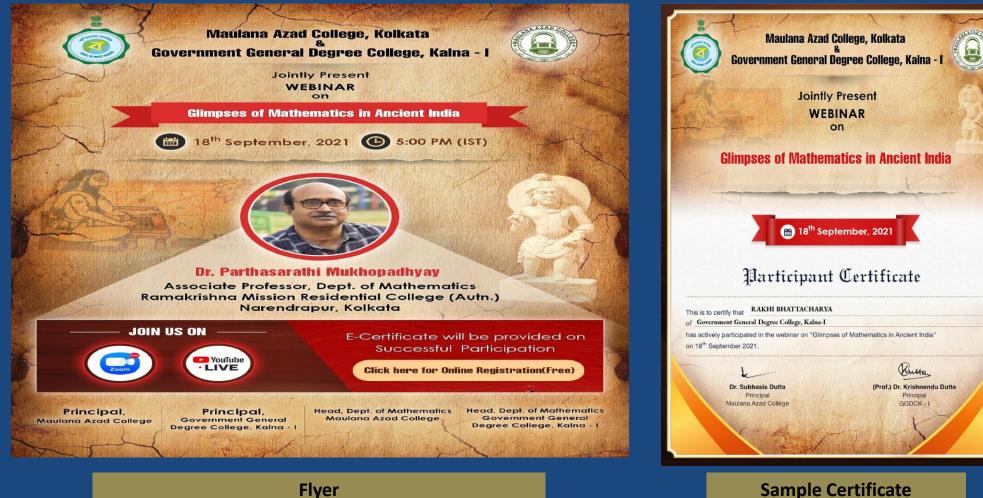
Declaration of MoU related activities						
Name of the College:	Government General Degree College, Kalna-I					
Name of the Collaborating Organization/	Maulana Azad College Kolkata					
Institute						
Start Date :	08.04.2021					
Duration :	5 Years					
Purpose of the MoU :	Faculty exchange for academic upliftment and					
	collaborative academic endeavours					
Collaborative activities Carried Out:						
Programme 1	National level Webinar on "Glimpses of					
	Mathematics in Ancient India"					
Programme 2	A Webinar on "CRYPTOGRAPHY AND APPLICATION					
	OF NUMBER THEORY".					
Programme 3	Principal, GGDC Kalna-I was the "Session Judge"					
	at the 5 th Regional Science and Technology					
	Congress, 2022-23					
A Report on the collaborative activities has also been attached.						

mment General Degree Colleg Kalna-T

Summary Report of Programme 1								
Name of the Programme :National level Webinar on "Glimpses of Mathematics inAncient India"								
Objective :	The event aimed to provide valuable insights and knowledge to							
	students, faculty, and participants interested in ancient Indian							
	Mathematics							
Target Participants :	Students and faculties of Maulana Azad College and GGDC							
	Kalna-I							
Venue :	Google meet platform as well as YouTube streaming							
Date :	18.09.2021							
Expected Outcome :	Students and faculty members of both Institutions will be							
	benefited in terms of their academic pursuit in several areas							
Report :Speakers: Dr. Parthasarathi Mukhopadhyay, Associate Professor, Department of								
Mathematics, Ramakrishna Mission Residential College shared his valuable time with the								
students and faculties of both the collaborating institute where he presented a topic								
"Glimpses of Mathematics in Ancient India". His vivid example of our rich culture in								
mathematical heritage has made the listeners wonder and motivated to gain more knowledge in the field.								

5 + 1-3

Kaina-I



Sample Certificate







Halāvudha

Javakīrti

Kedára

Hemacandra

Närävana

Mrtasañjivani

Chandonuśasanam

Vrttaratnäkara

Chandonuśasanam

Ganitakaumudi

Brahmasphutasiddhanta(20th Chapter) of Brahmagupta : text is too corrupted to make sense Agnipurana, Garudapurana, Naradapurana also have references to Pingala's work

c. 950 CE

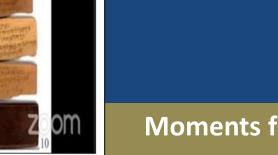
c. 1000 CE

c. 1100 CE

c. 1150 CE

1356 CE

leknowledgement : Javant Shah



Moments from the online programme



Summary Report of Programme 2						
Name of the Programme :	A Webinar on "CRYPTOGRAPHY AND APPLICATION OF NUMBER					
	THEORY".					
Objective :	To inculcate values uphold by renowned mathematician					
	Srinivasa Ramanujan					
Target Participants :	UG students Students of Mathematics					
Venue :	Maulana Azad College Kolkata					
Date: 22.12.2021						
Expected Outcome : To be inquisitive and explore new areas of number theory						
Report : Prof. (Dr.) Krishnendu Dutta, Principal, Government General Degree College, Kalna-1 was the invited speaker in the Webinar on "CRYPTOGRAPHY AND APPLICATION OF NUMBER THEORY" on the National Mathematics Day celebration of The Department of Mathematics, Maulana Azad College Kolkata on 22.12.2021 from 7.30 p.m. to celebrate the birth anniversary of great Indian Mathematician SRINIVASA RAMANUJAN. The invited speaker Dr. Krishnendu Dutta, Principal, Government General Degree College, Kalna-1 delivered his valuable lecture. There are 67 participants of Mathematics Honours. The programme was inaugurated by the						

Azad College delivered a brief introduction about the National Mathematics Day. The whole programme organized by fifth semester students. The programme was ended by vote of thanks by Dipanjana Maity, Student, Maulana Azad College.

Kaloo

principal, Maulana Azad College Dr. Subhasis Dutta. Sri. Bishyay Majumder, Mathematics student of Maulana

The question answer session with enthusiastic query on the said subject from students made the event a success.

٩	krish_dut	t@yah	ioo.co.in										\times				• ,	Active	~	?	: : :		Ċ	$\mathbf{\Theta}$
←	Ŧ	0	Ū (51 (5	C4 2		:														1 of 1	<	>
	Invi	tatio	n for a S	Speak	er	in the pr	ogran	nme	∍ 'N	Van	ntion	al Ma	athem	natic	s Day	" Inbo	× x					\$	æ	ß
SX.	to krish_dutta → C Dec 22, 2021, 5:18 PM						☆	Ś	:															

Respected Sir,

The department of Mathematics, Maulana Azad College is going to celebrate 'National Mathematics Day' on 22nd December, 2021 from 7.30 p.m. to 8.50 p.m. (IST).

On behalf of the Department of Mathematics, I cordially invite you as the speaker on that day. As most of the audience is from undergraduate level, Please try to arrange your talk in such a manner so that it will be easy to understand the lecture. The details of the programme schedule is attached. Please join the program by 7.30 p.m. via link: <u>https://meet.google.com/fcj-seqt-snh</u>

Expecting your kind cooperation and suggestion for the grand success of this programme.

Thank you.

(Dr. Kartik Chandra Basak) Head Department of Mathematics Maulana Azad College.

Invitation letter of Speaker Prof. (Dr.) Krishnendu Dutta, Principal, GGDC Kalna-I



MAULANA AZAD COLLEGE

8, Rafi Ahmed Kidwai Rd, Taltala, Kolkata, West Bengal 700013 https://maulanaazadcollegekolkata.ac.in



NATIONAL MATHEMATICS DAY

22ND DECEMBER,2021

PRINCIPAL

TO COMEMORATE THE BIRTH ANNIVERSARY OF GREAT INDIAN MATHEMATICIAN

SRINIVASA RAMANUJAN

ORGANISED BY

DEPARTMENT OF MATHEMATICS

22ND DECEMBER, 2021, 7: 30 PM ONWARDS

MEETING LINK: https://meet.google.com/fcj-seqt-snh

LECTURE ON CRYPTOGRAPHY AND APPLICATION OF NUMBER THEORY

BY DR. KRISHNENDU DUTTA PRINCIPAL, GOVERNMENT GENERAL DEGREE COLLEGE, KALNA-I



IQAC COORDINATOR



22 December 1887 - 26 April 1920



Flyer of Programme 2

National Mathematics Day

Organized by Department of Mathematics and IQAC, Maulana Azad College, Kolkata On 22nd December, 2021

Programme Schedule

Date: 22-12-2021

- Inaugural Speech: 7.30 7.35 p.m. Dr. Subhasis Dutta, Principal, Maulana Azad College.
- Welcome Address: 7.35-7.38 p.m. Dr. Nanda Das, Associate Professor, Department of Mathematics.
- A brief Introduction about the National Mathematics Day by our 5th Semester Student BISHYAY MAJUMDER: 7.38-7.43 p.m.
- 4. Introduction of the Speaker by Dr. Somnath Bandyopadhyay, Associate Professor, Department of Mathematics.: 7.43-7.45 p.m. Title of the Talk is "CRYPTOGRAPHY AND AN APPLICATION OF NUMBER THEORY" Speaker: Dr. Krishnendu Dutta Principal, Government General Degree College, Kalna-I.

5. Vote of thanks: 8.45-8.50 p.m. Dipanjana Maity, Fifth Semester Student.

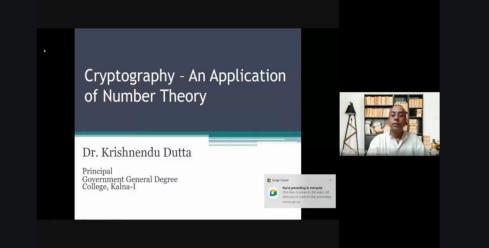


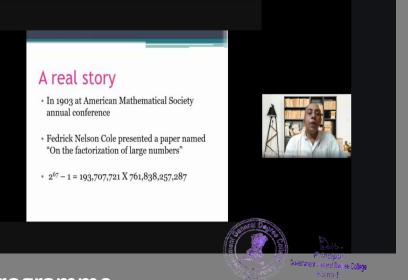


Brief Introduction about National Mathematics Day by our student Bishyay Majumder



Dr. Krishnendu Dutta , Principal, GGDC Kalna-I delivering his lecture





A few slide presented in the Programme



MAULANA AZAD COLLEGE

8 RAFI AHMED KIDWAI ROAD, TALTALA, KOLKATA 700013



CERTIFICATE OF APPRECIATION

This is to certify that **Dr. Krishnendu Datta**, Principal, Government General Degree College, Kalna-1 has delivered lecture on "**CRYPTOGRAPHY AND APPLICATION OF NUMBER THEORY**" in the webinar held in the Department of Mathematics, Maulana Azad College in celebration of National Mathematics Day on 22nd December, 2021.

Head, Department of Mathematics

IQAC Coordinator



Principal forement General Degree Schlege

Summary Report of Programme 3							
Name of the Programme :	Principal, GGDC Kalna-I was the "Session Judge" at the 5 th						
	Regional Science and Technology Congress, 2022-23						
Objective :	Executing the duty of an adjudicator at the 5 th Regional Science						
	and Technology Congress, 2022-23						
Target Participants :	All						
Venue :	Maulana Azad College						
Date :	4 th and 5 th January, 2023						
Expected Outcome : Increased scientific temper							
Report : The Department of Science and Technology and Biotechnology, Government of West							
Bengal, has selected Maulana Azad College as one of the co-host Institutions to hold the 5 th							

Regional Science and Technology Congress, 2022 for Region-4 (Kolkata, Howrah and South 24 Parganas) where the event has been scheduled on the 4th and 5th of January, 2023.

In this Science Congress, Dr. Krishnendu Dutta, Principal, Government General Degree College acted as a Session Judge in the Technical Sessions to adjudicate the ORAL PRESENTATIONS in the Discipline Mathematical Sciences on the 5th of January, 2023







Dr. Krishnendu Dutta , Principal, GGDC Kalna-I





A few momments from the Programme III